**LORENZO’S OIL WORKSHEET**

**ANSWER THE FOLLOWING QUESTIONS BY WATCHING THE MOVIE**

Part One

1. Lorenzo begins to experience problems at school. What symptoms first appear?

2. What medical tests were done to assess Lorenzo’s condition?

3. When Lorenzo is diagnosed with Adrenoleukodystrophy (ALD) the doctor explains the prognosis (outcome) for the disorder? What does the doctor tell Mr. & Mrs. Odone?

4. The inheritance pattern for this disease is referred to as \_\_\_\_\_\_.

5. Lorenzo inherits ALD from which parent? Explain why it is always this parent.

6. Which class of molecules can’t Lorenzo break down?

7. What is myelin? How does ALD affect the myelin sheath of Lorenzo’s neurons?

8. What trial studies did Lorenzo’s parents try in order to help their son fight ALD?

9. What changes occur in the lives of the Odone’s as a result of Lorenzo’s illness?

10. What decision did Lorenzo’s parents make about the way they would fight the disease to save their son?

Part Two:

1. What is the general attitude of the people in the foundation towards research?

2. What is the response of the foundation leader to the ideas of the Odone’s.

3. Describe the opposition the Odone’s face from the medical community?

4. What is an orphan drug?

5. Augusto Odone makes a model to compare Lorenzo’s condition to a kitchen sink. What is the significance of the two faucets and the drain?

6. Michaela found an interesting research article on Polish rats. What was the significance of this research?

7. During a medical conference what ideas are open to discussion on possible solutions to providing treatment for ALD?

8. What oil offers a possible solution to Lorenzo’s high level of C23 and C26 fat levels? Where did Lorenzo’s father get this oil? How did Lorenzo consume the oil?

9. Explain why this oil is only partially effective.

10. What does the paper clip model demonstrate to Augusto? What is his dream?

Part Three:

1. What is the name of the second oil? This oil is extracted from what plant? What is the medical basis of using this oil?

2. Who is Lorenzo’s rat? Why can the therapy of Eurcic acid be tested on Michaela’s sister or Michaela? Why are the doctors and family concerned about toxicity?

3. After the administration of the oil, how does Lorenzo’s condition begin to change?

4. When the Odone’s present their findings how do the parents in the foundation respond? How is the news received in the medical community?

5. Augusto gets a new idea for a “cure” for ALD from shaking puppies. Explain how.

6. How would a cure for the ALD boys offer hope for other neurological (brain and nervous system) conditions?